molift®

PARTNER 255

CE

molift®
by Etac

BM03101 Molift Partner 255 English

OPERATOR MANUAL

Table of Contents

General advice 3
Explanation of symbols 3
Before using the patient lifter 3
Responsibility 3

Safety precautions 4
General 4
If defects or faults occur 4
Lift and transfer 4

About the product 5
Main parts 5
Safety devices 5

Technical data 6

Assembly / disassembly 7
Assembly and use of charger 7
Unpacking 7
Assembly 7
Checklist before use 8
Disassembly 8

Operation 8
Battery care and charging 8
Battery capacity 9
Operating the hand control 9
Emergency stop and lowering 9
Lift and transfer 10
Use of spread legs 10
Using lifting slings 10
Lift and movement to and from bed 11
Lift and transfer to and from floor 12
Lift and transfer to and from (wheel) chair 13
Bathing 14
Toileting 15

Accessories 16
Lifting sling 16

Equipment 17
Suspensions 17
Scale 17
Molift Stretcher 18
Castor with directional lock 18
Supporting arms 18
Integrated charger 18
Low Leg chassis 19

Maintenance 20
Cleaning 20
Monthly inspection 20
Periodic inspection 20
Service 20
Troubleshooting 21
Labelling 21

Checklist for periodic inspection 23

IMPORTANT!

The patient lifter is only meant to be used by qualified personnel.

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General advice

This user manual contains important safety instructions and information regarding the use of the lifter. Carefully read the manual before using the lifter in order to be familiar in the function and use of the lifter.

Explanation of symbols

This symbol is used to point out instructions and information related to work place safety where injury may occur if the information is disregarded or ignored. Follow these instructions, be careful and attentive at all times.

This symbol indicates important information regarding the use of the equipment. If not taken into consideration, it may lead to damage or functional defects to the lifter or other equipment.

This symbol indicates important and useful information. If taken into consideration, it will help the operator of the lifter to work efficiently. It may help simplify routines and to explain complicated facts.

Before using the patient lifter

Before using a patient lifter, the operator must be trained accordingly. Practice lifting a colleague, and be lifted by others. It is important not only to know how to move another person using the lifter, but also how it is to be lifted. Try out and practice using all the relevant slings for the different types of lifter and movement you may encounter. Before lifting a person, you should explain the procedure.

When using the lifter, it's also important to use the correct sling and accessories according to:

- type of disability
- size
- weight
- type of movement

Responsibility

Please read these operating instructions carefully before putting the product into operation. We assume no liability for damage or malfunctions resulting from failure to comply with the instructions. Warranty claims must be made immediately on detecting the defect. Remember to quote the serial number. Consumable parts are not subject to the warranty.

All technical information, data and instructions for operation contained in these operating instructions were up-to-date at time of print and are compiled on the basis of our experience and to the best of our knowledge. We reserve the right to incorporate technical modifications within the scope of further development of the product described in this manual. No claims can be derived from the information, illustrations or descriptions contained in these instructions. We assume no liability for any damage or malfunction caused by operating errors, non-compliance with these operating instructions or inappropriate maintenance. We expressly point out that only genuine Molift spare parts and accessories approved by us may be used. For safety reasons, the fitting and use of spare parts or accessories, which have not been approved, and unauthorised modification or conversion of the product, are not permitted. Etac AS will accept no liability for damages resulting from such acts.

With the exclusion of product liability, Etac AS is liable for faults or omissions on its part within the scope of the warranty obligations stated in the purchase contract. Claims for damages are excluded, irrespective of the legal reason from which such claims are derived. Only documentation belonging to the actual equipment is valid.

Any failure to comply with the safety regulations and precautionary measures stated in these operating instructions renders the declaration of conformity supplied with the system in accordance with Council Directive (93/42/EEC) concerning medical devices invalid.

Safety precautions

General

Before putting a Molift Partner 255 into operation, the operator must ensure that the lifter and accessories are in good working order, especially with regards to safety. A Molift Partner 255 shall only be used when all safety devices and equipment is in place and fully operational.

-The lifter is designed for use at standard room temperatures (+5 to +40°C). Following storage or transport at other temperatures leave the lifter in a room with a suitable temperature until it reaches a safe operating temperature. For long time storage it is recommended that the battery is removed and the emergency stop button is activated. The lifter can be stored and transported under the following conditions:

- Pressure: 70 - 106 kPa
- Humidity: 15 - 93 %
- Temperature: -25 - 70 °C

The lifter has an expected lifetime of 10 years or 30 000 lifts with max load (SWL), when all recommended service is performed.

Molift Partner 255 should not be run constantly for more than 2 minutes (with maximum load), and rest for minimum 18 minutes.

Medical electrical equipment requires special precautions regarding electromagnetic compatibility (EMC). Portable or mobile radio communication equipment may affect the medical electrical equipment, and should be kept minimum 25 cm (10 inches) from the lifters electronics

If defects or faults occur

The lifter must be switched off immediately if one of the following conditions occur;

- damage to electrical devices or cables, or damage to parts of electrical insulation
- damage or failure on safety devices

If a fault associated with the operational safety and reliability is identified, the lifter must be taken out of use immediately and marked "Out of order".

Injury to personnel or equipment may occur if:

- covers are removed by unauthorized personnel
- used incorrectly
- insufficient maintenance
- load exceeds maximum limit, stated as SWL in this manual and on the lifter.
- unauthorized repair of electrical devices or cables

Lift and transfer

Stand to the side of the user when lifting. The user shall sit as low as possible facing the lifting column. The user should rest their feet on the chassis. Ensure that arms and legs are clear of the lift, chair, bed etc. Try to maintain eye contact with the user - this will help the user feel safe and comfortable

The patient lifter may tip over if used incorrectly! Ignorance of warnings and instructions may lead to personnel injury. Read instructions carefully before attempting to lift anyone.

The Molift PARTNER 255 has a Safe Working Load (SWL) on 255 kg / 562 lbs, meaning that it is tested and approved for lifting of patients up to 255 kg. Attempts of lifting apatients with a higher weight may lead to danger of personal injury.

Pay close attention to your actions. Ensure that all four loops of the sling are securely fastened to avoid the user slipping or falling

Use the drive handles when manoeuvring the lifter, do not push or pull the patient, suspension or lifting arm.

Do not touch the underside of chassis or between chassis and legs when manoeuvring the legs.

Molift slings shall ONLY be used to lift persons. NEVER use the sling to lift and/or move objects of any kind.

About the product

Molift Partner 255 is a mobile lifter intended for lifting and transferring persons. The lifter is made out of light materials, it has castors, electrical adjustable legs and a battery. It is therefore ideal for use in institutional care.

Main parts

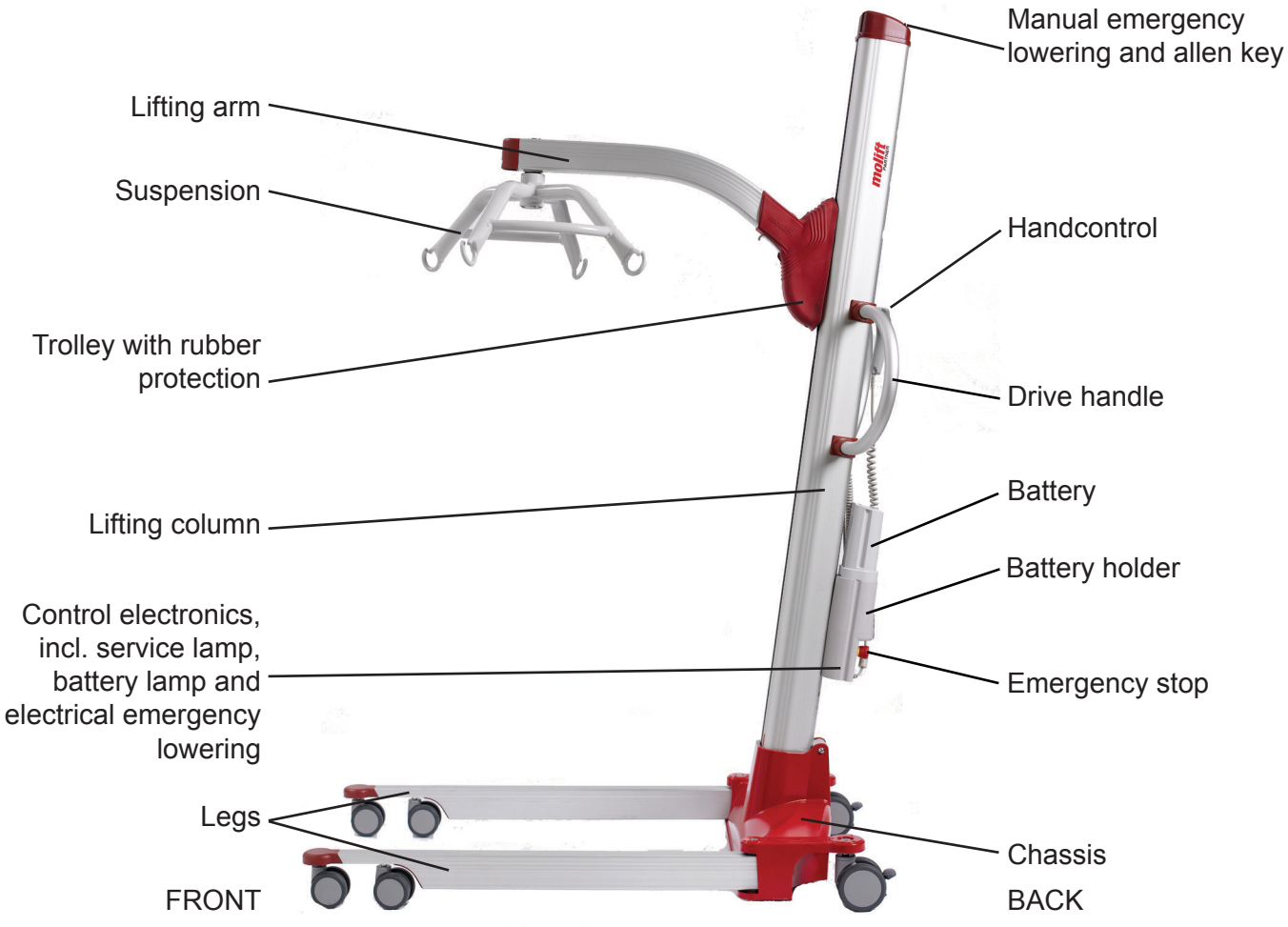
The lifter is built around a chassis unit comprising a lifting column fixing unit, rear castors and spreading mechanism for legs. The adjustable legs are operated by an electrical motor and gives the operator a possibility to adjust the width of the lifter to different needs and situations.

On the lifting column there is a drive handle and a battery holder. On the battery holder there is a connection for the hand control and an emergency stop button. On the lifting column there is also a trolley on which the lifting arm is attached. The suspension is attached to the lifting arm, and the suspension rotates freely, allowing the Molift PARTNER 255 to be used at any angle.

Safety devices

Molift PARTNER 255 is equipped with several safety devices, which are intended to prevent damage to personnel and equipment in the case of incorrect use.

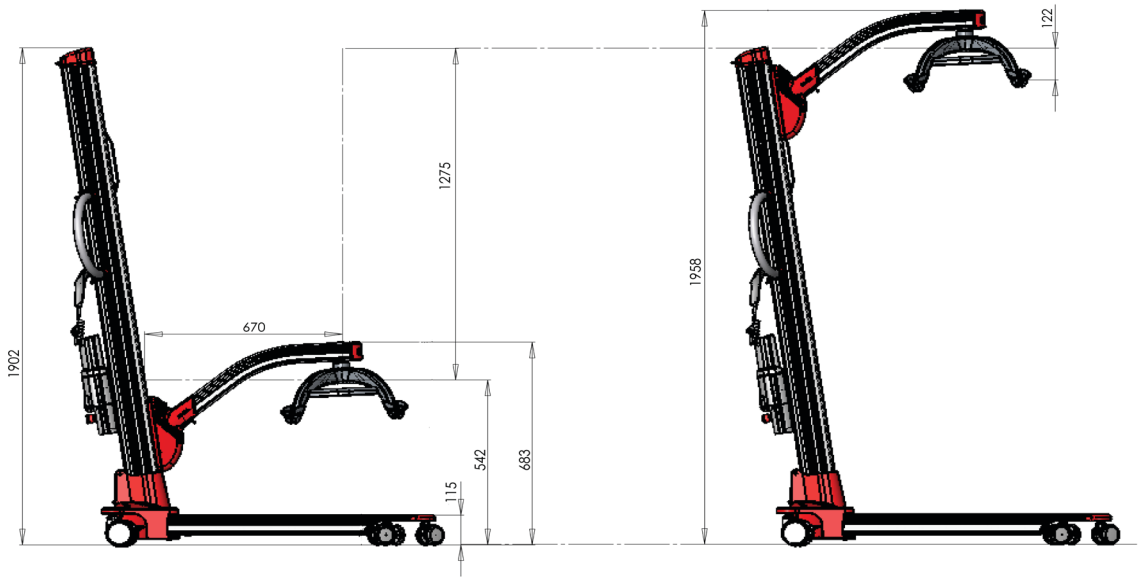
- The lifter has an overload sensor preventing the lifter to be operated with more than SWL.
- The lifting arm is hinged to prevent the arm and suspension from squeezing the patient if it is lowered too much. The lifting arm will not produce any force when moving downwards.
- The suspension has safety hooks to prevent the sling loops to fall off.
- When activating the emergency stop button, the power supply will be disconnected, and the lifter will stop.
- If an error occurs on the lifter, it is possible to lower the lifting arm electrically on the battery holder or manually by operating the emergency lowering switch on top of the column.
- The lifter has a service lamp which gives a signal when the lifter needs service.

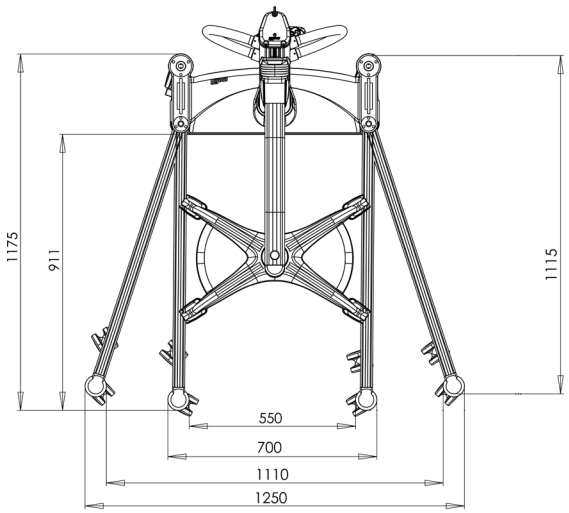


Technical data

Weights: 44 kg / 97 lbs (incl. battery)
Weight disassembled:
Chassis: 20 kg / 44 lbs
Column: 14 kg / 31 lbs
Lifting arm/suspension: 8,4 kg / 18.5 lbs
Battery: 1,5 kg / 3.3 lbs
Material:
Steel, aluminium and composite plastic
Motor:
Lifting motor: 24 V DC
Leg spreading motor: 12 V DC
Battery:
26,4 V NiMH 2,2 Ah, ATO Fuse 20 A
Battery charger:
Mascot type 2215,10-22 cells NiCd/NiMH
Protection:
IP24

Safe Working Load (SWL):
255 kg / 562 lbs
Lifting range:
1275 mm
Turning diameter:
1400 mm
Lifting speed:
30 mm/sec (with 75 kg / 165 lbs)
Sound level, max A-weighted sound power level:
L_{WA}= 62,3 dB
Operating forces:
Buttons on handcontrol: 3,4 N
Number of lift with fully charged battery:
75 lifts (75 kg / 165 lbs, 50 cm)
Measurements:
1325 x 700 x 1902 mm (LxBxH)
Measurements in illustrations below are in millimetres.





Assembly / disassembly

To be able to operate the Molift Partner 255, the operator must have good knowledge of the lift, including assembly, disassembly and preparation before use.

Assembly and use of charger

The charger shall be connected to the power outlet at all times. It is possible to mount the charger on a wall surface or place it on a table.

Etac Supply Gjøvik tests and charges all batteries before packing and shipment. However, all batteries must be charged before use.

Unpacking

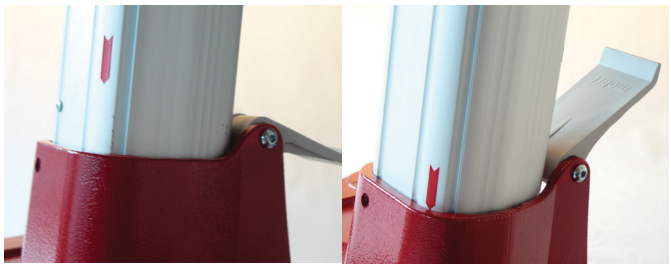
- The lifter comes in one cardboard box. Verify that the box has no apparent damage. If damaged, - check the content and contact your dealer for assistance if components are damaged.
- The box contains chassis, lifting column, lifting arm with suspension, drive handle, hand control, battery and battery charger.

Assembly

- The chassis should be rolled out of the box.

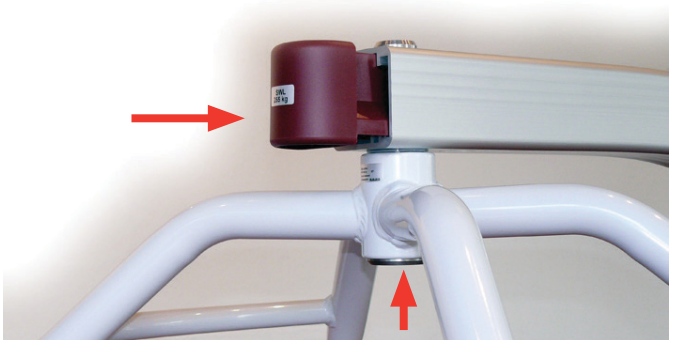
The battery must not be in the battery holder during assembly!

- Place the column in the attachment on the chassis, and push the column down as shown below. The screw in front of the column shold fit in the slot inside the chassis. If the column does not place itself correctly, rotate the drive with the Allen key on top until it fits correctly.



- Make sure that the red arrow on the lower part of the column corresponds with the edge on the chassis. Fix the column with the lock handle. If the column is not placed correct the lifter will not work.

- Remove the end cap and mount the suspension on the lifting arm. Make sure the washer and spring is in place.



- Mount the lifting arm with suspension and rubber protection on the trolley on the lifting column. Slide the rubber protection up on the arm and guide the lifting arm on the trolley.

Be careful not to put fingers or similar under the lifting arm between arm and trolley. Danger of personal injury.

- Push the arm down until the locking handle makes a clear click when the lifting arm is fixed correctly. Slide the rubber protection back to cover the trolley, and pull it over the top and bottom edge.

- Connect the hand control cable to the contact on the battery holder. The hand control has a hook that makes it possible to hang it on the drive handle or the plastic hooks on the column.
- Place the battery in the holder with the connectors facing down. Release the emergency stop and run each function of the lifter a couple of times without load to verify proper function.

Etac Supply Gjøvik tests all lifters with and without load before shipment. The control is an extra precaution to uncover any shipment damage and/or incorrect assembly.

Checklist before use

- Check that the lifter has no apparent damage or other faults, especially that the suspension has no damage or cracks.
- Ensure that the lifting arm and lifting column are properly fixed and that there is no loose parts on the lifter. The lifting column must be fixed tight in the chassis attachment.
- Check that the emergency button is deactivated and that the lifter works.
- Check that you have sufficiently charged batteries to complete the task you have planned.
- Check that the service lamp gives a green light indicating it is ready for use. If the service lamp gives a yellow or red light, the lifter needs service.

Make sure that the suspension has no damage or cracks, and that the lifting arm and column is properly fixed before use!

Disassembly

The Molift Partner 255 can easily be disassembled in three main parts (battery not included).

- Remove the battery.
- Remove the lifting arm with rubber protection by pulling the locking handle up and forwards while lifting off the lifting arm.
- Release the lock handle on the chassis, and then lift off the lifting column.

It is recommended that the emergency stop is activated during storage for safety reasons.

Operation

Battery care and charging

Molift Partner 255 is supplied with a battery with a 26,4 V cell unit that is placed in the battery holder on the lift. A battery charger is also supplied to be located easily accessible, either stand-alone or mounted on the wall. The Charger must be placed or installed in a way that makes it easy to disconnect mains cable plug. Disconnect the charger mains cable plug when the charger is not in use. Take care not to damage the cable..

The charger has a LED (Light Emitting Diode) indicating the status of the battery as described below:

LED	Mode
Yellow	No battery
Yellow	Initiation (10 sec)
Orange	Fast charge
Green/yellow	Top-off charge
Green	Trickle charge
Orange/green	Error

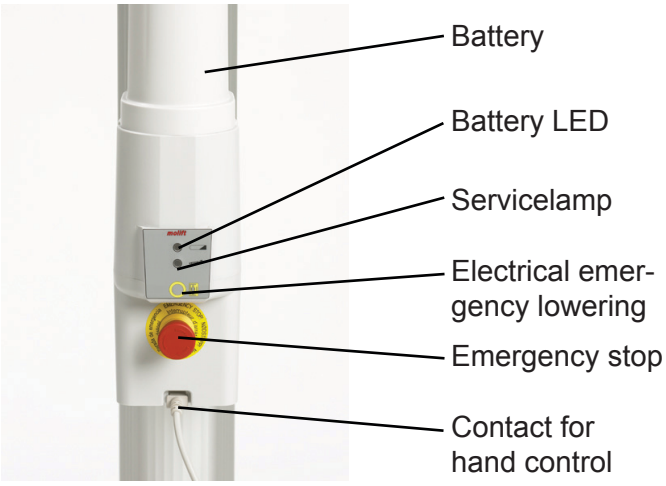
Place the battery in the charger. After a few seconds the LED will change from yellow to orange, indicating that the battery is charging. When the LED gives a constant green light the battery is fully charged.

The battery lifetime is about 500 charging cycles.

Battery capacity

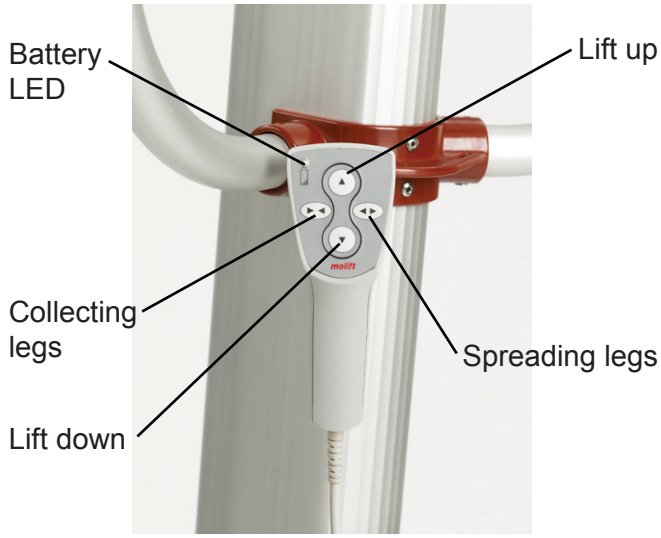
A Battery LED is situated on the battery holder on the lift. If the voltage of the battery falls below a certain level, the diode will change to orange, indicating the need for charging. There is still enough capacity to perform 3-5 lift cycles (75 kg) at this point.

If the battery is discharged during a lift, it is always enough power to lower the user down again.



Operating the hand control

The hand control to Molift Partner 255 has four buttons, two buttons for up and down, and two buttons for adjusting the adjustable legs. In addition there is a green diode which illuminates when the battery needs charging.



The electronics has a power save-function which makes the system sleep after a while with no activity. All lights will go out. Activate the system by pushing one of the buttons on the hand control.

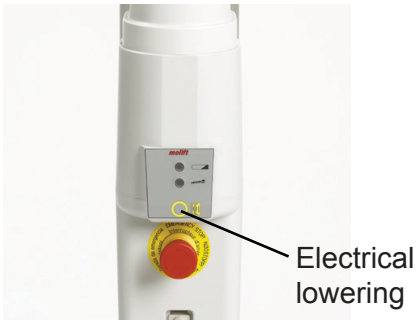
Emergency stop and lowering

Emergency stop

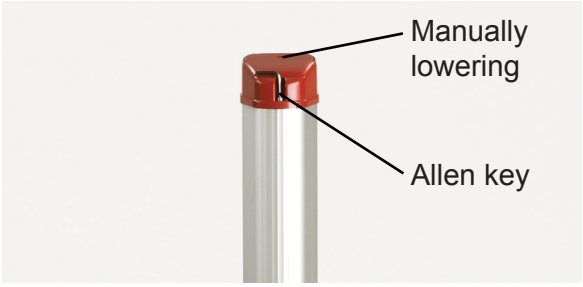
All of the Molift patient lifts are equipped with emergency stop and lowering. The emergency stop button is situated on the battery holder. Push the red button to cut the power to the motor. Turn the button clockwise until it pops up to reset the emergency stop.

Emergency lowering

It is possible to perform an emergency lowering in case of a general malfunction. Molift Partner 255 has both an electrical and manual emergency lowering.



Electrical emergency lowering is placed on the battery holder. Push the button and hold until the patient is lowered.



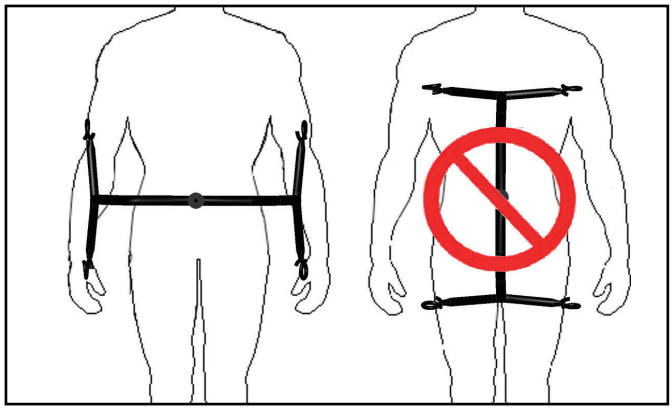
There is an Allen key situated on the top of the column for the purpose of manually lowering. Push the Allen key through the hole on the top of the column, and turn until the patient is lowered down.

Remember to remove the Allen key from the hole immediately after lowering.

Contact the Molift service partner if the reason for the failure causing an emergency lowering is unknown or if it is a result of failed components or parts.

Lift and transfer

The suspension shall always be positioned across the user as shown left in the illustration below.



When using slings intended for two point suspension, the suspension shall be used diagonally, i.e. loops from the sling shall be fastened on hooks diagonally opposite.

Pay close attention to your actions. Ensure that all four loops of the sling are securely fastened to avoid the user slipping or falling.

Try to position the user as low as possible (preferably resting the feet on the chassis) when transferring the lifter with a suspended user. In this way, the centre of gravity will be as low as possible and therefore reducing the risk of instability. The lifter should be manoeuvred with spread legs in outer position to achieve the highest possible stability.

Be careful during movement - the suspended user may swing somewhat during turns, stops and starts. Be particularly careful when manoeuvring close to furniture to prevent the suspended user from colliding with these objects.

The lifter shall not be used to lift or move users on sloping surfaces.

Avoid deep pile carpets, high thresholds, uneven surfaces or other obstacles that may block the castors. The lifter may become unstable if forced over such obstacles increasing the risk of tipping over.

The lifter shall only be used for movement over short distances. It is not a replacement for wheelchair or similar.

Use of spread legs

Use wide legs wherever appropriate, for instance to position the lifter around wheelchairs, toilets etc.

Using lifting slings

The Molift lifting slings are easy to use. Read the user manual that comes with the sling for specific user instructions.

It is recommended to use Molift slings. Slings from other manufacturers may have other specifications leading to unexpected instability and possible personal injury.

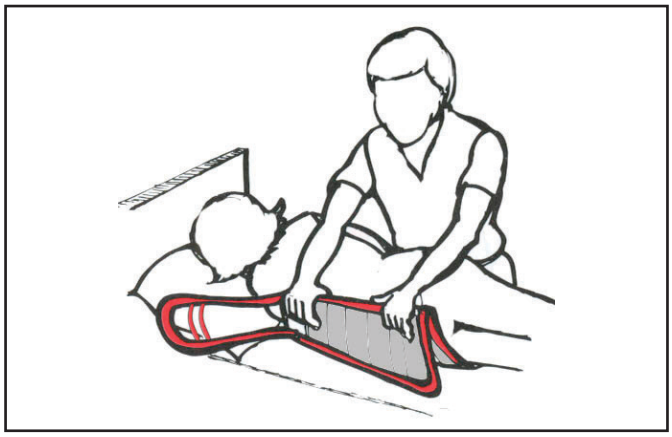
Torn, cut, frayed or broken slings can fail, resulting in serious injury to the user. Use slings in good condition only. Destroy and discard old, unusable slings.

Molift Easy sling

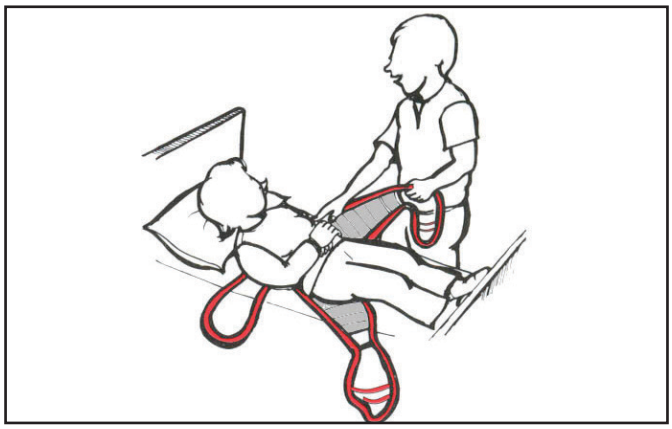
Fold the sling as indicated above before use. The grey side should be facing away from the user when putting the sling in place. The sling should be held by one hand, leaving the other free to move and support the user.

Lift and movement to and from bed

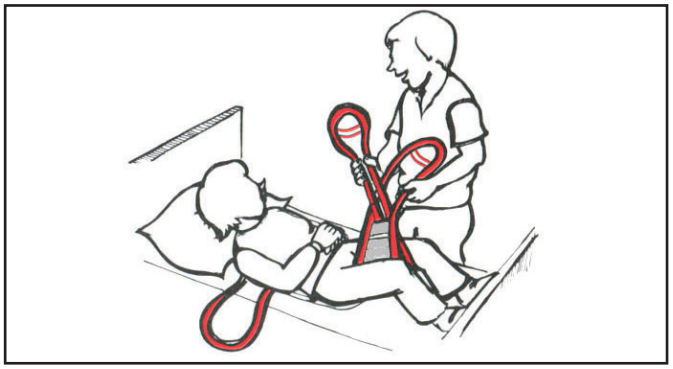
Lift from bed



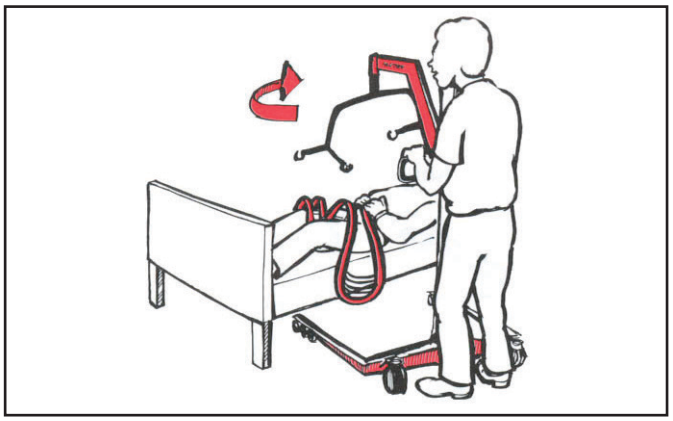
Roll user onto her side. Put the folded sling behind her back. The centre of the sling should be parallel with the users spine. Roll her then onto her back.



Pull the leg loops forward and under the thighs as shown in illustration above.

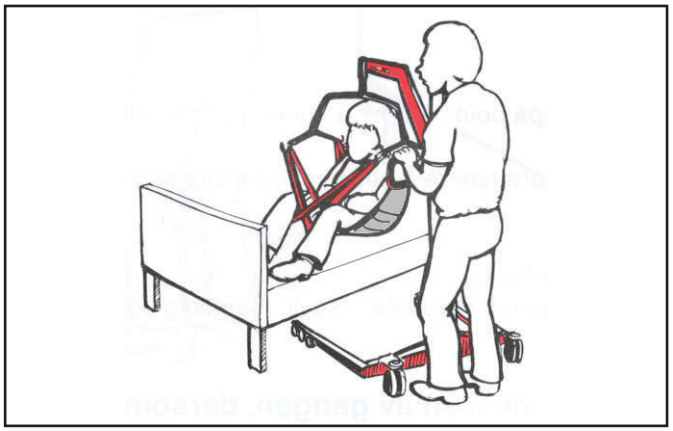


Cross the loops one through the other.



If the user has a bed which enables raising and lowering, it should be lowered before the lifting starts.

Position the legs under the bed with the suspension over the user. Be careful not to lower the suspension too low touching the user. Make sure that the suspension is centred over the user before you start the lifting. Remember - the castors should not be locked.

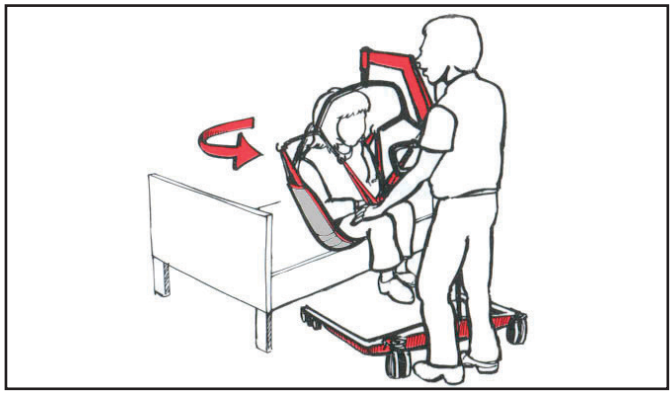


When all four loops are hooked onto the suspension, raise the user carefully.

Pay close attention to your actions. Ensure that all four loops of the sling are securely fastened to avoid the user slipping or falling

If the user is in a hospital bed, it will help to raise the head of the bed

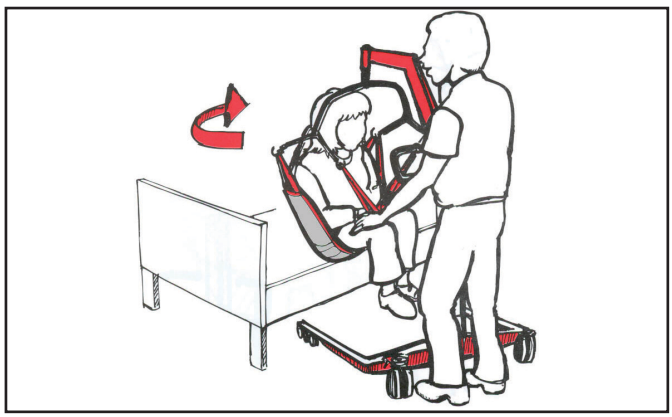
Repositioning of the user may be needed to ensure that a safe and comfortable sitting position is attained as the user is raised. Reposition using the handle on the back of the sling.



Raise the user until the buttocks are just above the mattress. Lift the user's legs and turn her so she faces the lifting column. When clear of bed, and if practical, lower the user so that her feet rest on the chassis. If possible, lower the bed before lifting. Move the lifter away from bed.

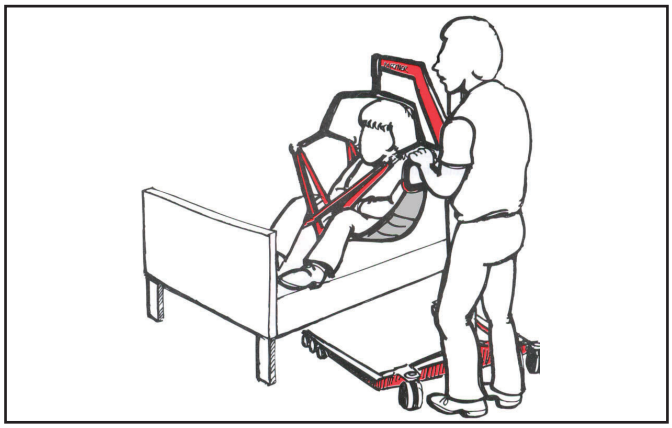
Beware of obstructions under the bed that can cause castors to stop or tip.

Lift to bed



Raise the user until the buttocks are just above the mattress. Position the lifter under the bed.

Beware of obstructions under the bed that can cause castors to stop or tip. Take care not to squeeze the users legs.



Centre the user over the bed and turn her/him so that the feet point to the end of the bed. Lower the user carefully. Remove the loops from the suspension.

Removing the sling

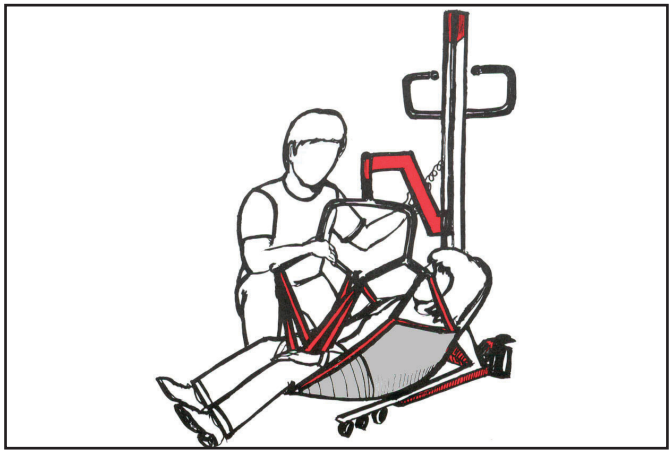
Gently pull the leg section to the side, out from the user's thighs and towards yourself. Pull the shoulder section under the neck of the user and roll her gently onto her side. Pull the sling away and roll her onto her back.

Be careful when rolling the user onto her side. Make sure you have control over the movement to prevent her from rolling completely over and out of the bed.

Lift and transfer to and from floor

Lift and transfer from the floor is almost identical to a lift and transfer from bed - please read this section. There are two ways to lift from the floor.

Alternative lift 1

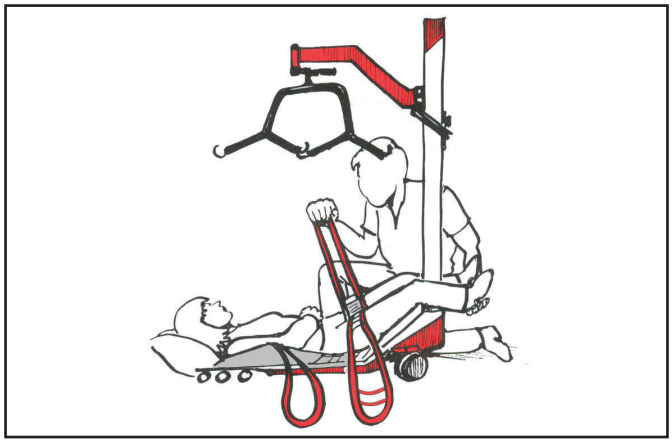


Place the users head on the chassis. Use a pillow if appropriate to protect the head and neck of the user. The suspension shall be centred over the user.

Lower the suspension enough to allow the sling loops to be hooked up.

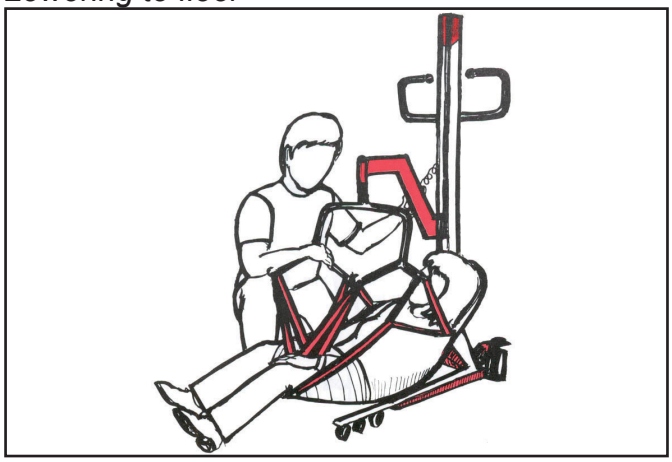
Raise the user from the floor. Position user in the sling by pulling the handle on the back of the sling. Turn the user to face the lifting column, and place the feet on the chassis.

Alternative lift 2



A floor based lift can also be performed by positioning the lifting column between the legs of the user as shown above. Otherwise as alternative 1.

Lowering to floor



Place a pillow on the chassis or on the floor to protect the users head and neck (not necessary if you are using a sling with head support). Otherwise as described above.

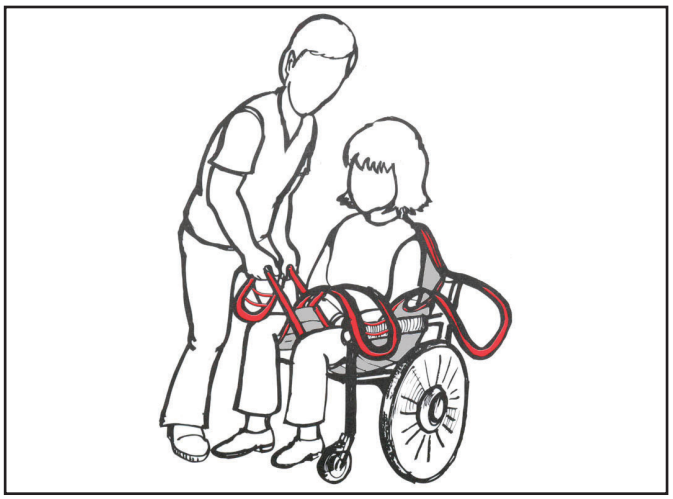
Lift and transfer to and from (wheel) chair

Lift and transfer from (wheel) chair

Fold the sling as described in "Using lifting slings". The gray side should be turned away from the user when placing the sling.

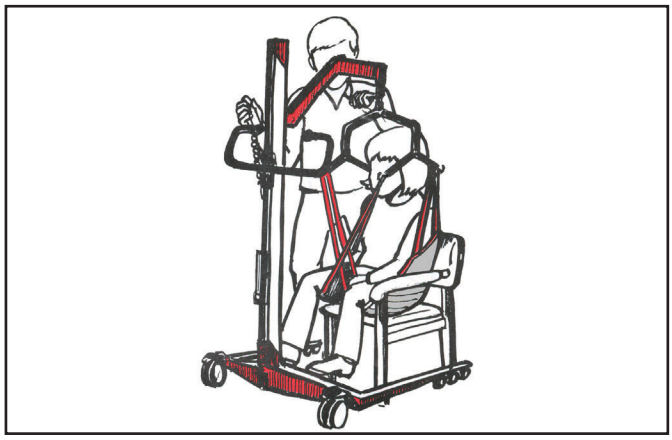
If the users physique and ability allows it, the user should be encouraged to take active part in fitting the sling. The user can lean forward, lift her thighs and help placing the leg section.

Lean the user forward gently, but ensure you continue to support her. Place the folded sling behind the user's back and push it down until it touches the seat of the chair.



The leg sections of the sling are pulled forward and beneath the user's thighs by the loops. The loops are then crossed, one through the other, as shown.

Pay close attention to your actions. Ensure that all four loops of the sling are securely fastened to avoid the user slipping or falling



Move the lifter around the chair, and let the user rest her feet on the chassis.

If the transfer is from a wheelchair, the brakes must be locked to prevent the wheelchair from rolling away.

Lift/raise the user above seat height, and perform the transfer. It is not necessary to lift the person very high.

Lift and transfer to (wheel) chair

Manoeuvre the lifter so that the user is as far back in the (wheel) chair as possible.

If the transfer is from a wheelchair, the brakes must be locked to prevent the wheelchair from rolling away.

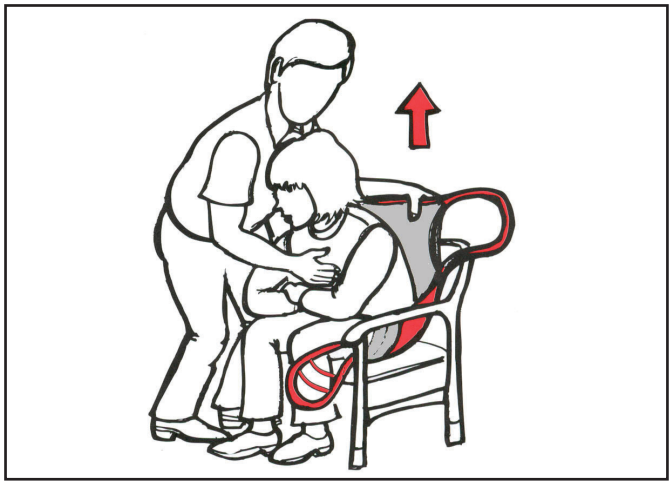
When lowering, you can use the following techniques or a combination of them to position and get the user seated far back in the chair:

- push gently on the knees
- pull the loop on the back of the sling
- tilt the chair slightly backwards

Lower the user into the chair, unhook sling from suspension and remove the lifter.

Removal of sling

Gently pull leg section to the side, out from the user's thighs. Standing by the side of the user, lean her forward - supporting with one hand. Pull sling up from behind her back.



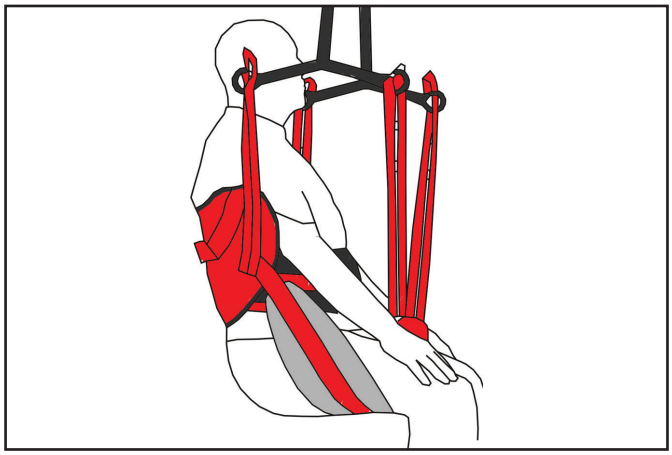
Pulling sharply on sling may cause user to fall forward resulting an injury. Always support the user by keeping one arm around the user's shoulder when fitting or removing the sling (see illustration).

If the users physique and ability allows it, the user should be encouraged to take active part in fitting the sling. The user can lean forward, lift her tights and help placing the leg section.

Bathing

The procedure for lifting to/from the bath is in principle the same as for to/from bed. A special bathing sling is used for this purpose. This sling dries quickly.

Toileting

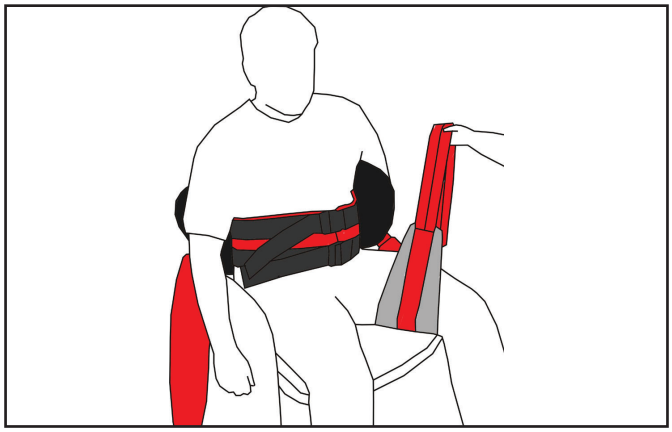


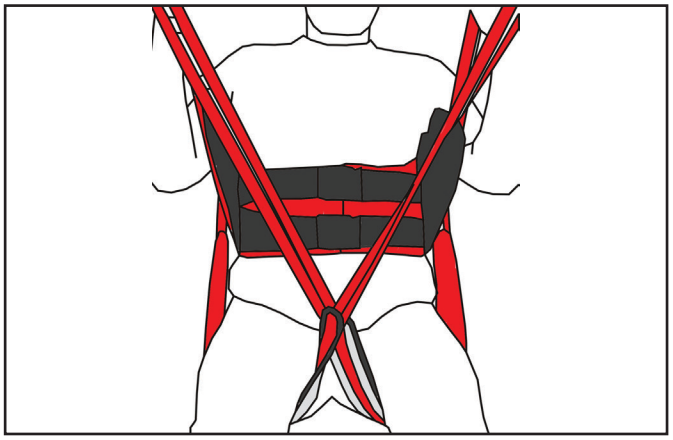
The Easy Toilet Sling is used with the standard 4-point suspensions.

Easy Toilet sling is a toilet sling with a thicker and wider upholstery. It is also available with head-support. The Molift Easy Toilet Comfort sling is easier to fit in narrow environments, and is available with a separate head support

The toilet sling is fitted as follows:

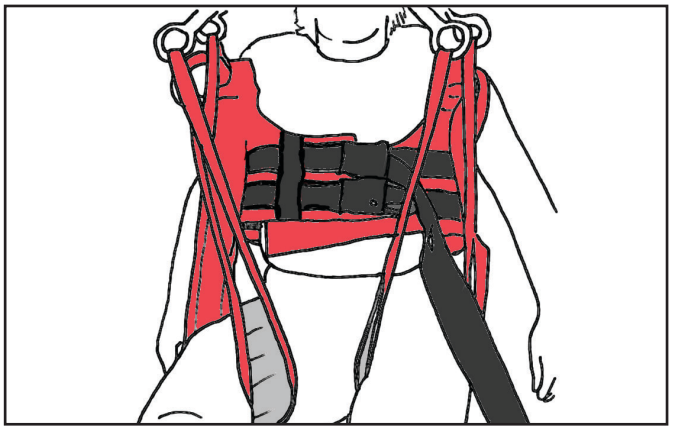
- Insert the sling behind the users back with the grey side away from user.
- Fasten the belt firmly around the user's body.
- Place the leg section under the front part of the thighs and pull the loops up between the thighs.





By pulling the leg sections from the outside and in, you will achieve a wider leg position.

On Molift Easy Toilet Comfort, place the leg section over and down between the thighs and pull outwards from the inner part of the thighs.



By pulling the leg sections from the outside and in, you will achieve a wider leg position.

The leg sections of Molift Easy Toilet Comfort Sling are fitted to separate the legs, therefore they should not be crossed as the other Easy slings.

- Hook the four loops on the suspension as for other slings.
- Position the lifter around the toilet and lower the user.
- Pull the leg sections out of the way. The sling can be left on during bathroom use.

Accessories

Lifting sling

Molift Easy Paediatric Sling

Size	No head support	With head support
XXS	Part no 3005050	Part no 3006050
XS	Part no 3005000	Part no 3006000

Easy Toilet Sling and Basic Bathing Sling for kids, see the tables below, size XXS and XS.

Molift Easy Sling

Size	No head support	With head support
XS	Part no 3025000	Part no 3026000
S	Part no 3025100	Part no 3026100
M	Part no 3025200	Part no 3026200
L	Part no 3025300	Part no 3026300
XL	Part no 3025400	Part no 3026400
XXL	Part no 3025500	Part no 3026500

Molift Basic Sling

Size	No head support	With head support
XXS	Part no 3021050	Part no 3022050
XS	Part no 3021000	Part no 3022000
S	Part no 3021100	Part no 3022100
M	Part no 3021200	Part no 3022200
L	Part no 3021300	Part no 3022550
XL	Part no 3021400	Part no 3022400
XXL	Part no 3021500	Part no 3022500

Molift Basic Bathing Sling

Size	No head support	With head support
XXS	Part no 3023050	Part no 3024050
XS	Part no 3023000	Part no 3024000
S	Part no 3023100	Part no 3024100
M	Part no 3023200	Part no 3024200
L	Part no 3023300	Part no 3024300
XL	Part no 3023400	Part no 3024400
XXL	Part no 3023500	Part no 3024500

Molift Basic Full Sling

Size	With head support
S	Part no 3047010
M	Part no 3074011
L	Part no 3047012

Molift Easy Toilet Sling

Size	No head support	With head support
XXS	Part no 3032050	Part no 3033050
XS	Part no 3032000	Part no 3033000
S	Part no 3032100	Part no 3033100
M	Part no 3032200	Part no 3033200
L	Part no 3032300	Part no 3033300
XL	Part no 3032400	Part no 3033400
XXL	Part no 3032500	Part no 3033500

Molift Easy Toilet Sling Comfort

Size	No head support	Separate head support
XXS	Part no 3016050	Part no 3016055
XS	Part no 3016000	Part no 3016001
S	Part no 3016100	Part no 3016111
M	Part no 3016200	Part no 3016222
L	Part no 3016300	Part no 3016333
XL	Part no 3016400	Part no 3016444
XXL	Part no 3016500	Part no 3016555

Molift Easy Amputee Sling

Size	No head support	With head support
XXS	Part no 3027050	Part no 3028050
XS	Part no 3027000	Part no 3028000
S	Part no 3027100	Part no 3028100
M	Part no 3027200	Part no 3028200
L	Part no 3027300	Part no 3028300
XL	Part no 3027400	Part no 3028400
XXL	Part no 3027500	Part no 3028500

Molift Patient Specific Sling

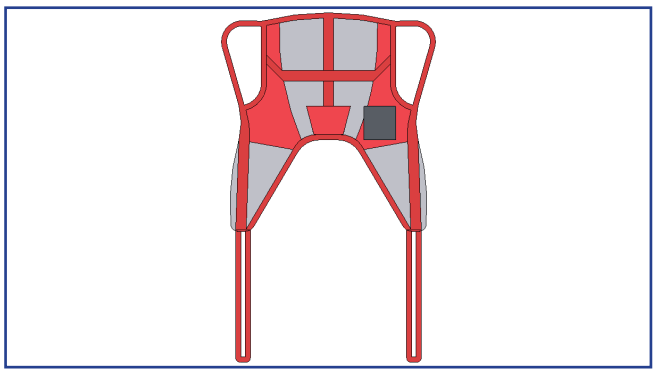
Size	With head support
S	Part no 3050100
M	Part no 3050200
L	Part no 3050300
XL	Part no 3050400

Molift Hammock Sling

Size	With head support	
One size	Art.nr 3047000	Shell sling
One size	Art.nr 3047001	Wool lining
One size	Art.nr 3047002	Fleece lining

Read the user manual that comes with the sling for specific instructions

Sling size guide



Easy and Basic Slings

Size	Color code	Recomm. weight (Kg)	A (cm)	B (cm)	C (cm)
XXL	White	230-300	86	130	68
XL	Blue	160-240	76	115	66
L	Green	90-160	66	100	64
M	Yellow	45-95	56	85	62
S	Red	25-50	51	75	60
XS	Light blue	17-25	46	65	58
XXS	Pink	12-17	41	55	56

Choice of sling size depends on both user weight and shape/size of user.

Bag for slings - Part. no 3048000

Molift Fabric Stretch - Part. no: 3040002
To be used together with Molift 8 point suspension.

Equipment

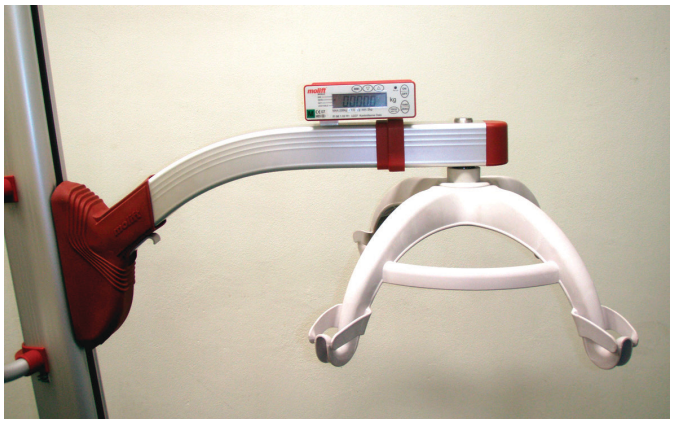
Suspensions

- 4 point steel, heavy duty, size 640x420 mm, Part. no: 1330052
  Padding - Part no 1330116
- 4 point steel, Large, size 560x350 mm, Part. no: 1330053
- 4 point steel, Medium, size 450x300 mm, Part. no: 1330054
- 2 points steel, Large, size 560 mm, Part. no: 1330055
- 2 points steel, Medium, size 450 mm, Part. no: 1330056
- 8 point suspension
  Part no: 2140002

Scale

- Scale arm 255 kg (562 lbs).
  Part no: 1331002

Scale arm should be ordered together with a suspension (see above). Arm and suspension will be delivered separately, and must be assembled before mounting on the lifter. See assembly instructions on page 7.



Picture: Scale arm and suspension

- The complete lifting arm is removed from the lifter and replaced with the lifting arm with the scale and suspension. See assembly/disassembly instructions on page 7 in this manual.

Read the operating manual that comes together with the scale before use.

Molift Stretcher

- Molift Stretcher (excl loops), Part. no: 2150103
  Standard set of lifting loops, Part no: 2150357
  Set of auto strap collector, Part no: 2150356
  Set of Safety belt, Part no: 2150355

The Molift stretcher can be used in combination with all Molift 4-point suspensions on Molift Partner 255.

Read the operating manual that comes together with the stretcher before use.

Castor with directional lock

- Part no 1320140

The castor can be changed according to description in Technical Manual by authorised personnel.

This castor has no brake, therefore we recommend to change only one of the castors.

Push the red handle down to lock the direction. Release by pulling the handle up.

Supporting arms

- Part.no: 1311052

It is possible to use an alternative column with a set of adjustable handles and supporting arms.

Replace the complete column according to Assembly instructions on page 7.

Read the operating manual that comes together with the Supporting arms

Integrated charger

- Part no 1340005

The charger can be mounted on the lifter permanently.

Park the lifter and connect to a wall socket to charge the battery.

Low Leg chassis

- Part no 1320002

The chassis can be replaced with one with lower legs. This is suitable for level and even surfaces where the lifter legs must fit under low beds or similar. For normal use it is recommended to use the standard chassis.

Mount the column and lifting arm as described on page 7.

Technical data

Weights:

45 kg / 97 lbs (incl. battery)

Weight, chassis with legs:

21 kg / 44 lbs

Height of legs:

60 mm

The lifter can be used as normal, but extra precaution has to be taken. Avoid carpets or other kinds of rough surface, as the front castors are smaller. Try to pull the lifter backwards instead of pushing it.

It is necessary to use more push/pull force to move the lifter with small castors. It might be easier to pull than push - always use the drive handles when maneouvring the lifter.

Maintenance

Cleaning

Detergents must be pH-neutral. Do not use solvents or strong liquids - this may damage surfaces on the lifter and change the quality of the material. For disinfection when needed; use isopropyl alcohol. Avoid abrasive or etching cleaning products.

Clean surfaces with a damp cloth using an appropriate detergent. Regular cleaning is recommended and should accordingly be added to internal routines.
Inspection should be performed to uncover unexpected damages or errors.

Monthly inspection

Make sure that there is no damage or cracks on supporting parts. The suspension shall not be used if there are any visible damages or cracks as it may cause personal injury or damage to the lifter.

- Check the lifter, and the suspension especially, for damage. Make sure there is no loose parts on the lifter.
- Remove hair and pile from the castors and verify that the castors rotates without abnormal friction
- Verify that the contacts of the hand control is firmly in place, if necessary clean contact and hand control with spirit or similar.
- Verify that the battery fits correctly in the battery holder.
- Verify that the cables for the hand control and charger are intact
- Run the lifter up and down, and legs in and out to verify that it runs normally and without any abnormal noise.

Periodic inspection

Molift recommends annual inspection according to the checklist on page 23. The inspection is to be done by an authorized service representative. The owner of the lifter is responsible to ensure that one checklist is filled out and signed for each inspection, and for keeping the checklist.

Service

Molift Partner 255 has a LED on the battery holder indicating if the lifter needs service. The LED gives a green light when the lifter is ready for use.

The electronics registers how much the lifter is being used, and the load it is used with. After a given time of use there will be a signal that the lifter needs service to the service LED. The LED will first give a yellow light, then red. Take contact with your local service representative and order service. If there is a sound together with the light, it means the lifter needs service immediately.

Service lamp	Status
No light	Power save
Green	Ready for use
Yellow	Order service, lifter still works
Red	Perform service
Red + sound	Perform service immediately

Service includes changing and lubrication of brake and replacement of any worn or damaged part. Service is done by an authorised service representative according to procedures in the technical manual.

The service partner uses the Molift Service Tool to read the data from the lifter, and for logging service and resetting the service LED. The owner is responsible to ensure proper logging and written verification performed by authorised service partner.

A list of spare parts is available on request.

Troubleshooting

If you have access to other similar lifters, it might be an advantage to "switch parts" in order to locate the error. See the table for troubleshooting:

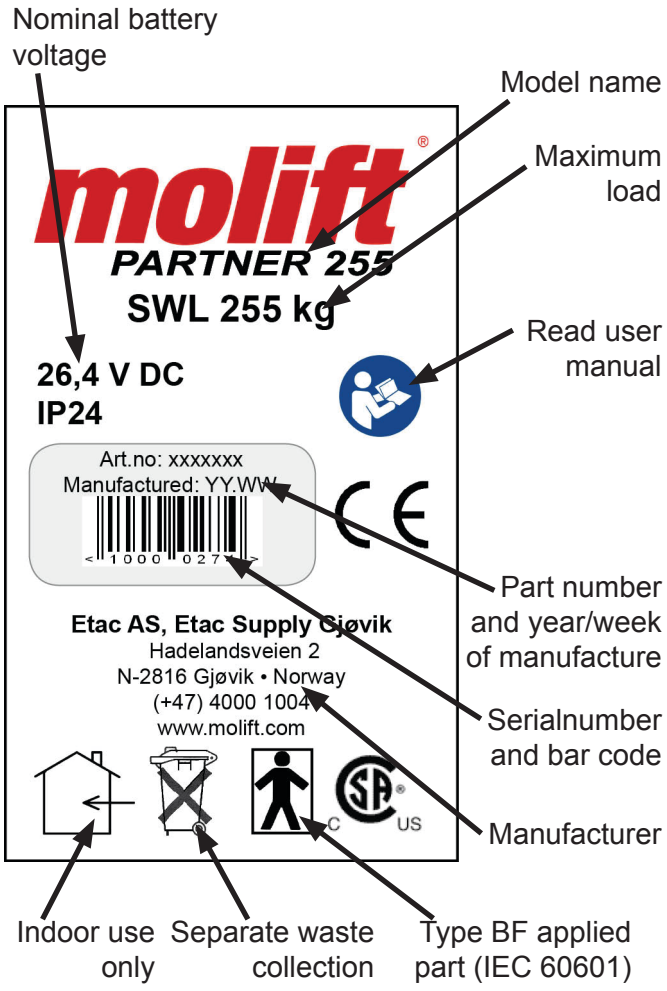
Symptom	Possible cause/*action*
The lifting column is wobbly.	The lock handle is not locked properly or the lifting column is out of position in chassis / *verify position of lifting column and tighten the lock*
The lifter only moves in one direction/ adjustable legs only moves in one direction	Hand control has failed / test with another hand control and change if defective.
	The control electronics has failed / change control electronics / *contact local representative for service*
The lifter moves uncontrolled / adjustable legs moves uncontrolled	Short circuit between hand control and lifter / clean the contact to hand control with spirit to remove grease
	Hand control has failed / change hand control / contact local representative for service
	Defective control electronics / change control electronics / *contact local representative for service*
The lifting arm does not move / adjustable legs does not move	Emergency stop activated (button is pressed in) / *turn button counter clockwise to reset*
	Battery is empty / change to a new battery or charge battery
	The motor connection is not in contact / *Reposition the lifting column, use the Allen key on top of column and check the arrow towards chassis (see page 7), clean contact points on column and chassis*
	The cable/contact to hand control has disconnected / *reconnect contact*
	Hand control has failed / test with another hand control and change if defective / *contact local representative for service*
	Defective control electronics / change control electronics / *contact local representative for service*
	Motor is defective / change motor / *contact local representative for service*

If the lifter is run up and down constantly for a longer period, the electronics may be overheated and the lifter will stop. Let the lifter rest until the lifter is cooled down enough for further use.

If you are not able to solve the fault or problems by yourself using this manual, please contact local authorised service representative. If you do not know whom to contact locally, please contact your dealer or Etac Supply Gjøvik to get help.

Labelling

The main label is placed on the column below the battery holder.



CE

DECLARATION OF CONFORMITY

molift by Etac

Etac AS, Etac Supply Gjøvik
Hadelandsveien 2
2816 Gjøvik
NORWAY
Telephone: + 47 4000 1004

hereby declare that:

Molift PARTNER 255 patient lifter
and that the accessoires used only together with this product

are in conformity with:

- The Council Directive concerning medical devices 93/42/EEC
and according to this classified as ***medical equipment class 1***
Expiration date : 30th May 2017

Molift PARTNER 255 is manufactured in conformity with the following national or international standards that also might implement a harmonised standard:

- ISO10535:2006 Hoists for the transfer of disabled persons - Requirements and test methods
- ISO 14971:2007 Medical equipment - Risik analysis

Notified body:

Danish Technological Institute, Wood Technology
Gregersensvej 3
DK-2630 Taastrup
Denmark
Tel: + 45 7220 2301

NEMKO AS
Gaustadalleen 30
N-0314 OSLO
Norway
Tel: + 47 2296 0342

Title: Site Manager
Name: Knut Martin Frøsaker
Company: Etac AS, Etac Supply Gjøvik

30.05.2012
Date

Signature

Checkpoints for periodic inspection of Molift Partner 255/Molift Partner 230
Revision E – 09/2007

COMPULSORY SAFETY CHECK (annual):

OK	Fault	Corrected	Visual inspection
			Whole lifter checked for damage, cracks and deformation and found to be in good order. (Especially suspension, column, wheels and all cables).
			Lifter has been correctly assembled and no parts are missing. (Especially column, column lock and lifting arm).
			Accessories have been checked. See separate form for sling. Battery charger is an accessory. List the accessories checked:……..…
			Function checks
			Emergency stop and manual control have been checked and are in working order.
			The lifter has been rolled over the floor (preferably under load) and runs easily and steadily.
			Leg extender mechanism has been fully extended and retracted (preferably under load), and moves evenly and without noise (stops in correct positions).
			The lifter has been fully raised and lowered (preferably under load) and moves evenly and without noise.
			Servicing required
			Servicing unnecessary because the servicing lamp is on green and the lifter is under 5 years old.

Completed	Compulsory in case of faults under one of the above points:
	The lifter has been removed from service and clearly marked **"OUT OF ORDER".**
	Certified personnel have been summoned to carry out repairs and servicing. Name /Tel./ Fax:……

Completed	Compulsory where lifter has been checked and approved:
	The lifter has passed the safety check and been affixed with the Molift safety check label, duly dated and signed.
	The ticked and signed checklist has been passed to the client and a copy sent to your Molift dealer.

.
Comments on faults and repairs:.... ....
....
....

Lifter serial no.: ....other ID no. (if any): .....
Client:..... ....
Inspection carried out by: (Block capitals) .... from.....
Molift certification no. for inspector/repairer (if any): ....

The equipment has been tested and is in full working order Yes ☐ No ☐

Place: ..... Date: ..... Signature: ....

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